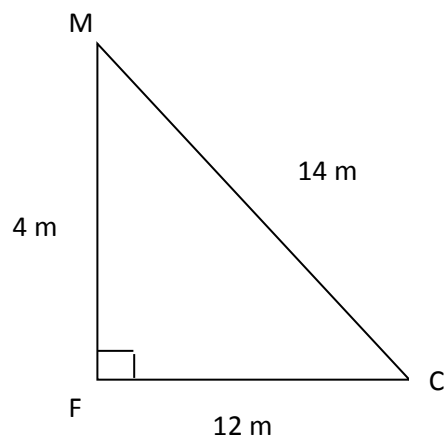


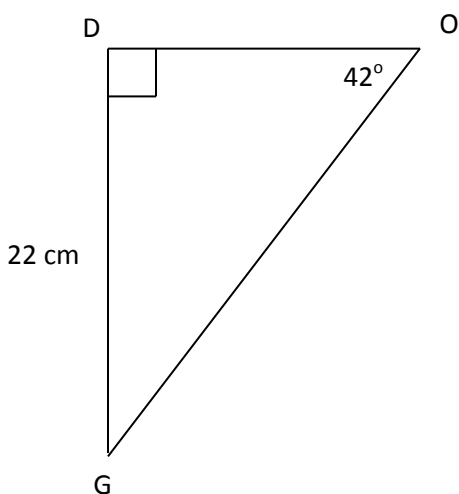
**Trig Quiz 1 - Practice**

Expectation	Level Achieved
C1 - solve problems involving trigonometry in acute triangles using the sine law and the cosine law, including problems arising from real-world applications;	

1. State the three primary trigonometric ratios of angle  $M$ .



2. Find the length of side  $d$ . Round your answer to the nearest tenth.



3. Two sides of a parallelogram MATH measure 11 cm and 15 cm. The diagonal from M to H is 16 cm long. Calculate all the interior angles of the parallelogram to the nearest degree.



4. Bruce and Lauren are watching Nico take a ride in a hot air balloon. Bruce and Lauren are standing 12 m apart. The angle of elevation from Bruce to the balloon is  $48^\circ$ . Nico estimates that the angle of view from Bruce to Lauren is  $8^\circ$ . Determine the height of the hot air balloon to the *nearest tenth of a metre*.

